

Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- 1 1 (Currently Amended). A method for collaborative Web browsing,
2 comprising the steps of:
3 defining collaboration spaces which comprise collaboration
4 members and discussion chains;
5 defining a collaboration toolbar and displaying the collaboration
6 toolbar on a user interface (UI), the collaboration toolbar including a user
7 UI components to logon/logoff, manage collaboration spaces, list related
8 collaboration spaces, and list related links;
9 defining a collaboration co-browser which is displayed on the UI;
10 monitoring a user's browsing activity; and
11 mining browsed content, URL (Universal Resource Locator) and
12 meta data to determine page, topic or meta data intent related collaboration
13 spaces.

2 (Canceled).

- 1 3 (Currently Amended). The method of claim 2 1, wherein upon mining
2 browsed content, further comprising the step of monitoring browsing
3 activity populates populating the collaboration toolbar with the
4 appropriately related collaboration elements.
- 1 4 (Currently Amended). The method of claim 1, wherein prior to the step
2 of monitoring, further comprising the steps of: defining collaboration
3 spaces; and step of associating collaboration spaces with one or more Web
4 documents, topics and meta data.

1 5 (Currently Amended). The method of claim 1, wherein upon user
2 selection of an appropriately related collaboration space from the toolbar,
3 further comprising the step of rendering by the collaboration co-browser a
4 collaboration space related to ~~browser context the content, URL and meta~~
5 data of a loaded Web page.

1 6 (Original). The method of claim 1, further comprising the step of
2 allowing a user to instantiate collaboration operations from the
3 collaboration co-browser.

1 7 (Original). The method of claim 1, further comprising the step of
2 augmenting by the collaboration co-browser a Web browser and displaying
3 collaboration elements of an appropriate collaboration space corresponding
4 to the user's monitored browsing activity.

1 8 (Currently Amended). The method of claim 1, further comprising the
2 steps step of:

3 defining collaboration spaces;
4 associating collaboration spaces with one or more Web documents,
5 topics and meta data; and
6 rendering by the collaboration co-browser a collaboration space
7 related to browser context the content, URL and meta data of a loaded
8 Web page.

9 (Canceled).

1 10 (Currently Amended). The method of claim 9 8, further comprising the
2 step of allowing a user to instantiate collaboration operations from the
3 collaboration co-browser.

1 11 (Currently Amended). A system for collaborative Web browsing,
2 comprising:

3 means for defining collaboration spaces which comprise
4 collaboration members and discussion chains;

5 a collaboration toolbar component which generates a collaboration
6 toolbar display on a user interface (UI), the collaboration toolbar including
7 a user logon/logoff toggle button, buttons to manage and configure the
8 collaboration spaces, a list box of related collaboration spaces, and a list
9 box of related links;

10 a collaboration co-browser component which generates a
11 collaboration co-browser display on the UI when a user logs on;

12 a monitor that observes a user's browsing activity, the collaboration
13 co-browser component responding to the monitor and displaying
14 collaboration elements of an appropriate collaboration space; and

15 a mining component to mine the monitored browser content, URL
16 (Universal Resource Locator), and meta data to determine related
17 collaborationo spaces.

12 (Canceled).

13 (Canceled).

1 14 (Currently Amended). The system of claim 11, wherein upon
2 monitoring the browsing activity by the monitor, the mining plug-in
3 component mines the browsed content to determine an appropriate set of
4 related collaboration elements of an appropriately related collaboration
5 space to the browsed content.

1 15 (Original). The system of claim 14, wherein upon mining the browsed
2 content by the mining component, the monitored browsing activity
3 populates the collaboration toolbar component with appropriately related

4 collaboration elements.

1 16 (Original). The system of claim 11, wherein the collaboration co-
2 browser component renders a collaboration space related to browser
3 context.

1 17 (Original). The system of claim 11, wherein collaboration operations
2 are instantiated from the collaboration co-browser.

1 18 (New). The method of claim 1, wherein collaboration operations
2 include sending email, instant messaging, creating new discussion threads,
3 and posting and responding to discussions.

1 19 (New). The system of claim 11, further comprising means for
2 populating the collaboration toolbar with appropriately related
3 collaboration elements.

1 20 (New). The system of claim 11, further comprising means for
2 associating collaboration spaces with one or more Web documents, topics
3 and meta data.

1 21 (New). The system of claim 11, wherein the collaboration co-browser is
2 responsive to a selection of an appropriately related collaboration space
3 from the toolbar for rendering a collaboration space related to the content,
4 URL and meta data of a loaded Web page.

1 22 (New). The system of claim 11, wherein the collaboration co-browser
2 renders a collaboration space related to the content, URL and meta data of
3 a loaded Web page.

1 23 (New). A system for collaborative Web browsing, comprising:
2 an augmented browser comprising an Internet browser, a
3 collaboration toolbar, a collaboration explorer bar, a monitor, and a
4 classifier provided with a miner plug-in, the Internet browser populates
5 with Web sites and notifies the monitor when new documents arrive, the
6 monitor, in turn, attempts to classify the newly loaded content using the
7 classifier, the classifier uses the content, URL (Universal Resource
8 Locator) or meta data associated with the loaded page and passes this
9 information to the miner plug-in in order to identify content to determine
10 page, topic or meta data intent, the monitor then attempts to discover
11 related collaboration spaces (CollabSpaces), URL links, and role players
12 that might be helpful to the loaded content in the Internet browser, once the
13 monitor has completed classifying the content and collecting the related
14 collaboration context, the monitor instructs the toolbar and the explorer bar
15 to populate with corresponding collaborative elements that are related to a
16 current browsing context; and

17 a collaboration server component that maintains collaborative
18 content and allows for the collaborative Web browser to interact with the
19 collaboration content, the collaboration server including a view generator
20 used to assemble together collaboration elements that are part of a
21 collaboration context and a context manager communicating with the
22 collaboration toolbar, monitor and view generator and which maintains
23 relationships between collaboration elements and provides a mechanism to
24 inference relationships between collaboration elements.

1 24 (New). The system of claim 23, wherein the collaboration server
2 component further includes a miner communicating with the miner plug-in
3 of the augmented browser for more advanced mining.

1 25 (New). The system of claim 23, wherein the collaboration server
2 component further includes a collaboration manager communicating with

3 the collaboration explorer bar of the augmented browser and which
4 provides a mechanism to interact with various collaboration modalities,
5 including instant messaging, team rooms, and e-meetings.

1 26 (New). The system of claim 23, wherein the collaboration toolbar of the
2 augmented browser hosts command buttons to retrieve, manage contextual
3 collaboration spaces and command buttons for authentication and
4 configuration.

1 27. (New). The system of claim 26, wherein the command buttons include
2 a pulldown menu button which, when selected, provides a list of
3 collaboration spaces accessible by the user based on a current context, a
4 manage collaboration spaces button which invokes a collaboration space
5 administrative console through which new collaboration spaces can be
6 created and existing collaboration spaces edited, and a recommended URL
7 list pulldown menu button which, when selected, provides a list of
8 recommended URLs that are relevant to a current collaboration context.

1 28 (New). The system of claim 27, wherein the command buttons include a
2 logon/logoff toggle button used for logging onto and logging off from a
3 collaboration space server.

1 29 (New). The system of claim 23, wherein the collaboration explorer bar
2 of the augmented browser is displayed as a window that includes a
3 members pane, which lists current collaborating members, and a
4 discussions pane, which lists discussion chains in a collaboration
5 permitting a collaboration member to post and respond to discussions or
6 create new discussion threads.

1 30 (New). The system of claim 23, wherein the collaboration tool bar and
2 the collaboration explorer bar are registered in an operating system (OS)

3 registry.

1 31 (New). The system of claim 30, wherein communication between the
2 collaboration toolbar, the collaboration explorer bar and the context
3 manager are facilitated by a Java Script communication medium.

1 32 (New). The system of claim 23, wherein the collaboration server
2 component a security module that identifies users and classifies those users
3 as various role players in the system.